



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
JOHN F. KENNEDY FEDERAL BUILDING
BOSTON, MASSACHUSETTS 02203-0001

April 11, 1995

Dr. David R. Ellis
Ciba-Geigy Corporation
P.O. Box 71, Route 37 West
Toms River, NJ 08754

RE: Limited PCB Analyses Approval

Dear Mr. Ellis:

I received your letter dated March 14, 1995, which requests EPA's approval of the Ciba-Geigy Environmental Technology Laboratory (ETL) to perform validated analyses for PCB's at the Cranston site.

Based on the information provided in your letter and discussions with you, Barry Berdahl and EPA laboratory personnel, I have decided to approve the ETL to perform limited PCB analyses at the Cranston site. Limited PCB analyses is defined as all PCB analyses **except** the analyses of confirmatory post-excavation samples.

If you have any questions, I can be reached at (617) 573-9643.

Sincerely,

Frank Battaglia, Project Manager

cc: Joe Unswerth, RIDEM
Barry Berdahl, Ciba-Geigy



SEMS DocID 658531



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 75% recycled fiber

March 14, 1995

Mr. Frank Battaglia, Project Manager
United States Environmental Protection Agency - Region I
90 Canal Street, Waste Management Building
Boston, Massachusetts 02114

RE: Revised Final Stabilization Design Documents
Ciba-Geigy Site - Cranston, Rhode Island

Dear Mr. Battaglia:

As discussed with Barry Berdahl, we are applying for your approval to perform validated analyses for PCB's at the Cranston site.

The Environmental Technology Laboratory of the Remediation Group at Toms River is certified in New Jersey and in seven other states. Although Rhode Island does not offer certification, we are certified in two other New England States, Connecticut and Massachusetts. All performance evaluation samples (4 per year) have been analyzed successfully for pesticides and PCB's. The laboratory has also obtained approval from USEPA Region IV to perform pesticide analyses at the Aberdeen Pesticide Dump Site in Aberdeen, North Carolina.

All Pesticide/PCB analyses are performed in accordance with Method 8081, SW-846, EPA Test Methods for Evaluating Solid Waste and its associated QA/QC requirements. The laboratory utilizes a Hewlett Packard Electronic Data System equipped with Enviroquant software. This allows the analyst to overlap sample chromatograms against standard chromatograms for accurate identification and finger printing. This is extremely beneficial regarding the identification and quantification of PCB's because of their multiple peak response. The laboratory can also provide GC/MS confirmation of identified peaks provided that the concentration is sufficient for detection by GC/MS.

If there is any additional information you may require, please call me at (908) 914-2710.

Sincerely,

David R. Ellis

Dr. David R. Ellis
Laboratory Manager

✓
③ 8081 ANALYSIS
② SULFURIC ACID CLEANUP ONLY PCB'S
① EXTRACTION METHOD
SILICA GEL

c: Barry Berdahl - Toms River

SEND TO JOE VANBETH

*Frank Battaglia
9/11/95*

Corporate Environmental Technology
Environmental Testing Laboratory



Ciba Geigy Corporation
P.O. Box 71, Route 37 West
Toms River, NJ 08754

Telephone 908 914 2545
Fax 908 914 2916

April 10, 1995

Mr. Frank Battaglia, Project Manager
United States Environmental Protection Agency - Region I
90 Canal Street, Waste Management Building
Boston, Massachusetts 02114

RE: Revised Final Stabilization Design Documents
Ciba-Geigy Site - Cranston, Rhode Island

Dear Mr. Battaglia:

As discussed with you on April 7, 1995, the Environmental Testing Laboratory of the Remediation Group at Toms River will perform PCB analyses in accordance with Method 8081 (SW-846) and utilize Method 3665, a sulfuric acid/permanganate cleanup prior to analyses for polychlorinated biphenyls.

Thankyou for your help in establishing these procedures. If there is any additional information you may require, please call me at 908-914-2710.

Sincerely,



Dr. David R. Ellis
Laboratory Manager

c: Barry Birdall - Toms River

Corporate Environmental Technology
Environmental Testing Laboratory



Ciba-Geigy Corporation
P.O. Box 71, Route 37 West
Toms River, NJ 08754

Telephone 908 914 2545
Fax 908 914 2916

April 10, 1995

Mr. Frank Battaglia, Project Manager
United States Environmental Protection Agency - Region I
90 Canal Street, Waste Management Building
Boston, Massachusetts 02114

RE: Revised Final Stabilization Design Documents
Ciba-Geigy Site - Cranston, Rhode Island

Dear Mr. Battaglia:

As discussed with you on April 7, 1995, the Environmental Testing Laboratory of the Remediation Group at Toms River will perform PCB analyses in accordance with Method 8081 (SW-846) and utilize Method 3665, a sulfuric acid/permanganate cleanup prior to analyses for polychlorinated biphenyls.

Thankyou for your help in establishing these procedures. If there is any additional information you may require, please call me at 908-914-2710.

Sincerely,

A handwritten signature in dark ink, appearing to read "David R. Ellis".

Dr. David R. Ellis
Laboratory Manager

c: Barry Birdall - Toms River

WILL NEED ACID CLEANUP FOR
LOW MDL'S (PCB'S)

SECTION 11
INTERNAL QUALITY CONTROL CHECKS

Section No. 11
Revision No. 3
Date: 30 March 1990
Page 1 of 2

CAJRO MIX
720-7410
FAX

11.1 FIELD SAMPLING TECHNIQUES

Internal quality control checks for field sampling techniques will include field blanks, trip blanks and field duplicate samples.

Field Blanks - Field blanks will be collected at the rate of one per 20 samples of a given matrix. Field blanks will be made by pouring analyte-free water, which will be supplied by the laboratory performing the analyses, through or over the sampling device and allowing it to cascade into laboratory supplied sample containers. Results from analyses of field blanks will be used to determine whether contaminants may have been introduced by sampling equipment or atmospheric conditions at the site. Field blanks will be analyzed for the same parameters as the samples being collected at the time of its collection.

Trip Blanks - Trip blanks will be analyzed at the rate of one per sample shipment sent to the laboratory. Trip blanks will be analyzed for the same volatile organic compounds as the samples which they accompany. If the samples are not being analyzed for volatile organics, trip blanks will not be analyzed. Trip blanks will consist of 2-40 ml glass vials with septum lined lids which will be filled with analyte-free laboratory water in the laboratory. The filled vials will be packed and shipped with the empty sample containers and, subsequently, with the filled sample containers. Results from trip blank analyses will be used to determine whether contaminants may have been introduced during sample shipment, from sample containers, or from laboratory water.

Section No. 11
Revision No. 3
Date: 30 March 1990
Page 2 of 2

Field Duplicates - Field duplicate samples will be collected at the rate of one per 20 samples collected of a given matrix. Field duplicates will be made by splitting an individual sample between two sets of sample containers. Duplicates will be analyzed for the same parameters as the samples they duplicate. Results of the analysis of duplicates will provide an independent evaluation of the laboratory's performance by comparing analytical results of two samples from the same location. The locations of field duplicates are provided in Table 11-1. Locations were chosen based on the likelihood of encountering analytes. Where analytes are detected, their presence can be supported by duplicate analyses.

11.2 FIELD MEASUREMENTS

Internal quality control checks for field measurement instruments will be done through the periodic calibration of the instruments as described in Section 8 and by checking the reproducibility of the measurement by taking multiple readings as described in Section 14.

SUBORDINATE AGREEMENT FOR CRANSTON PROJECT (PCBs - 2095)

DATE: April 14, 1995

REQUESTER:

Name: Diana Baldi (Ciba-Geigy Corporation)

PHONE #:

910 632-7506

FAX:

910 632-2048

BILLING INFORMATION:

ORIGINAL invoice to:
Ciba
Corporate Financial Control
PO Box 18300
Greensboro, NC 27410

Send COPY (marked "COPY") to:
Ciba-Geigy Corporation
Attn: Diana Baldi
PO Box 18300 (ZIP 27419)
410 Swing Road (ZIP 27409)
Greensboro, NC

OBJECTIVE OF THE STUDY: To confirm achievement of clean-up levels for site.

COMPLIANCE INFORMATION:

NPDES ☐ CERCLA (LEAD: ☒ Ciba ☐ SDWA ☐ EPA ☐ RCRA ☐ State ☐ ☐ FFP group)
other ☐

NUMBER & TYPE OF SAMPLES, REQUIRED METHODS AND SCHEDULE FOR DELIVERY:

# OF SAMPLES	SAMPLE MATRIX	ANALYSES REQUIRED (List methods to be used)	SCHEDULE & METHOD FOR RECEIPT BY LAB	COMMENTS (i.e., specific detection limits)
PRODUCTION AREA	SOIL	PCBs (Method 8080)	Mid-April	2-week TAT
WAREHOUSE AREA	SOIL	" "	Mid-May 6/26/95 ^{WEEK 7/3/95}	3-5 day TAT (MDL <25ppm) ✓
	SOIL	" "	Late May	3-5 day TAT (MDL <1ppm) ✓

ESTIMATE OF RELIABILITY OF THE PROJECTED DELIVERY SCHEDULE:

firm commitment ☐ certain within a few days
☒ certain within a few weeks ☐ highly uncertain

ESTIMATE OF RELIABILITY OF THE NUMBER OF SAMPLES:

☒ number may increase (☐ lots ☒ a few)
☐ number may decrease (☐ lots ☐ a few)

QUALITY CONTROL INFORMATION:

Sample numbers do not include QC samples, which are project-specific as defined in the project-specific quality assurance plan.

REPORT DISTRIBUTION:

TYPE OF REPORT	NUMBER OF COPIES	RECIPIENTS	COMMENTS
PACKAGE 2: PACKAGE 1 + TABULATED QC DATA (lab control spike, percent recoveries, duplicates, surrogate percent accuracy and control limits (organics only)	1	Ms. Diana Baldi (address above) Mr. Mike Goodman Ciba Route 37 West Toms River NJ 08753	(to be accompanied with copy of invoice)
PACKAGE 4: FULL CLP PACKAGE for CLP parameters; CLP-equivalent for non-CLP parameters (includes CLP forms when applicable and all quality control specific to pertinent SOW)	1	Woodward Clyde Consultants 201 Wilkesboro Blvd Wayne NJ 07470 Attn: Ms. Ann Racine	